04/25/95 [REVISOR] CEL/MS AR2512 1 Department of Agriculture 2 Adopted Permanent Rules Relating to Fertilizer Labeling 3 4 5 Rules as Adopted 1510.0410 AUTHORITY AND PURPOSE. 6 Parts 1510.0410 to 1510.0422 are adopted by the 7 commissioner pursuant to Minnesota Statutes, section 18C.121, to 8 prescribe conditions for labels and procedures for labeling 9 fertilizers. 10 1510.0411 DEFINITIONS. 11 Subpart 1. Scope. For the purposes of parts 1510.0410 to 12 1510.0422, the terms defined in this part have the meanings 13 given them, and "brand," "commissioner," "compost," "fertilizer," 14 "grade," "guarantor," "label," "labeling," "organic," "plant 15 food," "sewage sludge," and "specialty fertilizer," have the 16 meanings given in Minnesota Statutes, section 18C.005. 17 Subp. 1a. Animal manure. "Animal manure" means the 18 excreta of animals together with whatever bedding materials are 19 20 needed to follow good dairy barn, feedlot, and poultry house practices to maintain proper sanitary conditions. 21 Subp. 1b. Continuous liquid feed. "Continuous liquid feed" 22 means the external application of water soluble nutrients in the 23 irrigation water every time the plant requires water. 24 Subp. 2. Department. "Department" means the Department of 25 Agriculture. 26 Subp. 3. Filler. "Filler" means a substance added to 27 fertilizer to provide bulk, prevent caking, or serve some 28 purpose other than providing essential plant nutrients. 29 Subp. 4. Hydroponic. "Hydroponic" means a system in which 30 water soluble nutrients are placed in intimate contact with the 31 plant's root system, being grown in an inert supportive medium 32 which supplies physical support for the roots but which does not 33 add or subtract plant nutrients. 34 35 Subp. 5. Nitrogen stabilizer. "Nitrogen stabilizer" means

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a substance added to a fertilizer that extends the time the
 nitrogen component of the fertilizer remains in the soil in the
 ammoniacal form.

Subp. 6. Organic fertilizer. "Organic fertilizer" means a
material containing carbon and one or more elements other than
hydrogen and oxygen essential for plant growth.

Subp. 7. Peat. "Peat" means the partly decayed vegetable
matter of natural occurrence. It is composed chiefly of organic
matter that may contain some nitrogen of low activity.

10 Subp. 8. Physical manipulation. "Physical manipulation" 11 means fertilizers that are manufactured, blended, or mixed, or 12 animal manures or compost that have been changed from their 13 initial physical state by manipulations such as drying, cooking, 14 chopping, grinding, shredding, ashing, or pelleting.

Subp. 9. Plant nutrient. "Plant nutrient" has the meaning l6 given to "plant food" in Minnesota Statutes, section 18C.005, l7 subdivision 26.

Subp. 10. Potting soil. "Potting soil" means a material suitable for holding and growing potted plants and made primarily from natural materials. It may include fertilizers, pesticides, and soil or plant amendments.

Subp. 11. Primary plant nutrients. "Primary plant nutrients" includes total nitrogen (N), available phosphate (P₂O 5), and soluble potash (K₂O).

Subp. 12. Secondary and micro plant nutrients. "Secondary and micro plant nutrients" includes those other than the primary nutrients that are essential for the normal growth of plants and that may need to be added to the growth medium. "Secondary plant nutrients" include calcium, magnesium, and sulfur. "Micro plant nutrients" include boron, chlorine, cobalt, copper, iron, manganese, molybdenum, sodium, and zinc.

32 Subp. 13. Synthetic. "Synthetic" means any substance 33 generated from another material or materials by means of a 34 chemical reaction.

35 1510.0412 LABEL INFORMATION REQUIREMENTS.

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04/25/95 [REVISOR] CEL/MS AR2512 1 Subpart 1. Information and format. Specialty fertilizers offered for sale, sold, or distributed in this state, in bags or 2 3 other containers, must have placed on or affixed to the container the following information in the following format 4 except as provided in part 1510.0413: 5 6 Α. net weight,-provided-that-for-specialty fertilizers-that-are-custom-applied,-the-net-weight-statement 7 8 may-be-expressed-as-net-weight-per-units-treated-or-total-weight of-fertilizer-applied; 9 10 B. brand and grade, provided that: 11 (1) the grade is not required if no primary nutrients are claimed; 12 13 (2) the grade on the label is optional if the fertilizer is used only for agricultural purposes and the 14 15 guaranteed analysis statement is shown in the complete form as 16 in Minnesota Statutes, section 18C.211 or 18C.215, subdivision 2, paragraph (a); 17 18 (3) no numerals that are-misleading-or-confusing misrepresent the plant food or product composition of the 19 fertilizer may be used in the brand name of a fertilizer; and 20 21 (4) if the name of a fertilizer material is used as part of its brand name, such as blood, bone, or fish, the 22 23 nutrients guaranteed must be derived or supplied entirely by the material named; 24 25 C. guaranteed analysis, which is the minimum percentage of plant nutrients claimed in the following form: 26 27 Total Nitrogen (N) % 28 29 % Ammoniacal Nitrogen 30 % Nitrate Nitrogen % Water Insoluble Nitrogen 31 32 % Urea Nitrogen % Other approved and determinable 33 forms of Nitrogen 34 Available Phosphate (P205) % 35 36 Soluble Potash (K20) 8 37 Secondary and Micro plant nutrients 38 8 39 (elemental basis) 40 41 a derivative statement indicating the sources of D. 42 plant nutrients, listing the common or usual English name of all ingredients used in manufacturing or blending the fertilizer 43

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1	must be placed immediately below the guaranteed analysis			
2	statement;			
3	E. name and address of guarantor;			
4	F. a direction for use statement.			
5	Subp. 2. Secondary and micro plant nutrients permitted.			
6	The commissioner shall accept guarantees only for the additional			
7	secondary and micro plant nutrients listed in this subpart.			
8	These additional plant nutrients in a particular fertilizer may			
9	be guaranteed if they meet the following minimum content			
10	requirements:			
11	Plant Nutrient Minimum Percent Allowed			
12 13	Calcium (Ca) 1.00			
14	Magnesium (Mg) 0.50			
15 16	Sulfur (S) Boron (B) 0.02			
17	Chlorine (Cl) 0.10			
18	Cobalt (Co) 0.0005			
19	Copper (Cu) 0.05			
20	Iron (Fe) 0.10			
21 22	Manganese (Mn) 0.05 Molybdenum (Mo) 0.0005			
23	Sodium (Na)			
24	Zinc (Zn)			
25 26	Subp. 3. Procedures. If any of the plant nutrients in			
27	subpart 2 are guaranteed, the procedures in items A to F must be			
28	followed for labels and labeling.			
29	A. The plant nutrients must be listed immediately			
30	following nitrogen, phosphorus, and potassium.			
31	B. The plant nutrients must appear in the format			
32	listed in subpart 2.			
33	C. The plant nutrients must appear in the order			
34	listed in subpart 2.			
35	D. The plant nutrients must be stated on the			
36	elemental basis.			
37	E. The percentages of each of the plant nutrients			
38	contained in the fertilizer must be stated.			
39	F. Water soluble nutrients labeled for hydroponic or			
40	continuous feeding programs and guarantees for potting soils are			
41	exempt from the minimum guarantee requirement.			
42	Subp. 4. Prohibition. If the minimum requirement stated			
43	in subpart 2 is not met for a particular plant nutrient, labels			

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and labeling for the fertilizer may not contain any statement
 regarding that particular plant nutrient.

3 Subp. 5. Breakdown of plant food elements within the guaranteed analysis. When a plant nutrient guarantee is broken 4 5 down into the component forms, the percentage for each component must be shown before the name of the form. Descriptive terms 6 may be used to identify both the total nutrient and its 7 components. Zero guarantees are not acceptable as noted in part 8 9 1510.0413, however, they are allowed in the nutrient breakdown 10 guarantees.

Total Nitrogen (N)

% Ammoniacal Nitrogen % Nitrate Nitrogen Magnesium (Mg) % Water Soluble Magnesium (Mg) Sulfur (S) % Free Sulfur (S) % Combined Sulfur (S) Iron (Fe) % Chelated Iron (Fe)

Subp. 6. Mentioned plant nutrients. Plant nutrients, when mentioned in any form or manner on any label or labeling, must be listed and guaranteed.

Subp. 7. Additional nonplant food materials. Additional information that is not listed in subparts 1, item C; 2; and 5 may not appear in the guaranteed analysis statement, but may appear on the label *if-approved-by-the-commissioner-and* if placed below and separate from the guaranteed analysis statement.

31 1510.0413 EXCEPTIONS TO LABEL INFORMATION REQUIREMENTS.

32 Subpart 1. Zero percentages. If the percentage of any plant nutrient in specialty fertilizer is zero, the plant 33 nutrient must be omitted from the guaranteed analysis statement. 34 Subp. 2. Chemical forms of nitrogen. Chemical forms of 35 nitrogen must be listed, without limitation, when the nitrogen 36 is organic or slowly released. Whenever the chemical forms of 37 nitrogen are claimed, they must be claimed in the form indicated 38 in part 1510.0412, item C, and add up to the total nitrogen 39 40 guarantee.

41 Subp. 3. Custom orders; bulk sales. A distributor who

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blends or mixes a fertilizer to a customer's order without a 1 guaranteed analysis of the final mixture or distributes a 2 3 fertilizer in bulk must furnish each purchaser with an invoice or delivery ticket in written or printed form showing the net 4 5 weight and guaranteed analysis of each fertilizer sold or used in the mixture and the name and address of the guarantor. Other 6 information in part 1510.0412 is not required for blended, bulk, 7 or mixed fertilizers. 8

9 1510.0414 LOCATION OF LABEL INFORMATION.

10 For packaged fertilizers, the information required in part 11 1510.0412 must be in a readable and conspicuous form and must 12 appear:

A. on the front or back side of the container;
B. on the upper one-third of the side of a container;
C. on the upper end of the container; or
D. printed on a tag affixed to the upper end of the

17 container.

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18 1510.0416 CONTROLLED RELEASE PLANT NUTRIENTS.

19 Subpart 1. Prohibited statement on label. A fertilizer 20 label may not bear a statement that connotes or implies that 21 certain plant nutrients contained in the fertilizer are released 22 slowly over a period of time, unless the controlled release 23 components are identified and guaranteed at a level of at least 24 l5 percent of the total guarantee for that nutrient.

Subp. 2. Permitted labels. The following types of plant
nutrients may be labeled as controlled release plant nutrients:
A. water insoluble nitrogen products, such as natural

28 organics, ureaform materials, urea formaldehyde products,
29 isobutylidene diurea, and oxamide;

B. coated controlled release plant nutrients such as
sulfur coated urea and other encapsulated soluble fertilizers;
C. occluded controlled release plant nutrients, such
as fertilizers mixed with waxes, resins or other inert materials
and formed into particles; and

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D. products containing water soluble nitrogen such as

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ureaform materials, urea formaldehyde products, methylenediurea 1 (MDU), dimethylenetriurea (DMTU), and dicyanodiamide (DCD). 2 Subp. 3. Descriptive terms. "Controlled release" is the 3 preferred term, however the terms "water insoluble," "coated 4 slow release," "slow release," "controlled release," "slowly 5 available,"-"water soluble," and "occluded slow release" are 6 accepted as descriptive of these products, provided that the 7 manufacturer can show a testing program approved by the 8 department substantiating the claim. 9

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Subp. 4. [See repealer.]

11 Subp. 5. [See repealer.]

Methods. Until more appropriate methods are 12 Subp. 6. developed, Association of Official Analytical Chemists (AOAC) 13 International method number 970.04 (15th Edition), or the 14 appropriate AOAC International method in a subsequent edition, 15 must be used to confirm the coated controlled release and 16 occluded controlled release plant nutrients and others whose 17 slow release characteristics depend on particle size. AOAC 18 International method number 945.01 (15th Edition), or the 19 appropriate AOAC International method in a subsequent edition, 20 21 must be used to determine the water insoluble nitrogen of organic materials. 22

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Subp. 7. [See repealer.]

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Subp. 8. [See repealer.]

Subp. 9. Acceptable guaranteed analysis breakdown for coated controlled release or occluded controlled release nutrients. When nutrients in a fertilizer are coated, or occluded to obtain controlled release properties, then the guarantees for those components must be shown as footnotes rather than as a component following each nutrient as indicated in items A to C.

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1 5.0% Urea Nitrogen* Available Phosphate (P205) 2 15% 3 Soluble Potash (K20) 20% 4 Sulfur (S) 14% 5 Plant nutrients derived from: 6 Controlled release urea nitrogen from 7 8 B. A fertilizer with all materials of one nutrient 9 coated. Fertkote 10-15-20 10 11 Guaranteed Analysis 12 13 Total Nitrogen (N)* 10% 14 15 2.5% Ammoniacal Nitrogen 2.5% Nitrate Nitrogen 16 17 5.0% Urea Nitrogen 18 15% Available Phosphate (P205) 19 Soluble Potash (K₂O) 20% 14% 20 Sulfur (S) 21 Plant nutrients derived from: 22 % Controlled release nitrogen from 23 24 C. A fertilizer with two or more nutrients from 25 coated materials. 26 Fertkote 10-15-20 27 Guaranteed Analysis 28 29 Total Nitrogen (N)* 10% 30 31 2.5% Ammoniacal Nitrogen 32 2.5% Nitrate Nitrogen 5.0% Urea Nitrogen 33 Available Phosphate (P2O5)* 34 15% 35 Soluble Potash (K20)* 20% 36 148 Sulfur (S) Plant nutrients derived from: 37 38 39 * The nitrogen, phosphorus phosphate, and potassium potash 40 materials in this product have been coated to provide 9.0 percent coated controlled release nitrogen (N), 13 percent 41 42 coated controlled release available phosphate (P205), and 18 43 percent coated controlled release soluble potash (K20). 44 Subp. 10. Acceptable guaranteed analysis breakdown for 45 slowly available water soluble nitrogen. If a fertilizer material or fertilizer mixture contains recognized and 46 determinable forms of water soluble nitrogen with controlled 47 48 release properties, the guarantees for those components, if 49 claimed, should must be shown as footnotes rather than as a 50 component in the nitrogen breakdown, as indicated in items A and 51 в. 52 Α. 53 Slow Fertilizer 20-0-0

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1 Guaranteed Analysis 2 3 Total Nitrogen (N) 20% 4 8.0% Urea Nitrogen 5 6 2.0% Other Water Soluble Nitrogen 2.9% Slowly Available Water Soluble Nitrogen* 7 8 7.1% Water Insoluble Nitrogen 9 Plant nutrients derived from: 10 *--- Controlled release nitrogen from 11 12 OR в. 13 14 Slow Fertilizer 20-0-0 15 Guaranteed Analysis 16 17 20% Total Nitrogen (N) 18 19 8.0% Urea Nitrogen 20 4.9% Other Water Soluble Nitrogen* 21 7.1% Water Insoluble Nitrogen 22 Plant nutrients derived from: 23 * % Controlled release nitrogen from 24 25 Note: If other recognized forms of water soluble nitrogens 26 are listed in the nitrogen breakdown, the term "other" must precede the "water soluble nitrogen*" footnoted breakdown. The 27 28 word "organic" may be used in the nitrogen breakdown where 29 appropriate. 1510.0417 FISH EMULSIONS. 30 31 The following is an example of an acceptable breakdown of 32 nitrogen for a fish emulsion fertilizer: 33 Total Nitrogen (N) 5% 34 35 0.0% Nitrate Nitrogen 36 0.0% Urea Nitrogen 37 0.5% Ammoniacal Nitrogen 0.5% Water Insoluble Nitrogen 4.0% Other Water Soluble Nitrogen 38 39 In the example given above, water insoluble nitrogen is 40 41 guaranteed but no claims or statements, such as slow acting or 42 slow release, can be used since it is less than 15 percent of 43 the total nitrogen. 44 1510.0419 LABELING AND LABELS. 45 Subpart 1. Labeling and labels. Proposed labeling and labels with directions for use of the fertilizer must be 46 furnished with the application for registration of a fertilizer. 47 48 Subp. 2. Foliar fertilizers. Any product labeled or 49 advertised for foliar fertilization must be prominently labeled

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1 either with directions for use showing only the rates and 2 conditions for use that have been scientifically documented as 3 benefiting crops or other intended plants, or with the following 4 statement: "Foliar fertilization is intended as a supplement to 5 a regular fertilization program and may not, by itself, provide 6 all the nutrients normally required by crops or other intended 7 plants."

8 Subp. 3. Animal manures. If ingredients are added to 9 animal manure, the ingredients must be specified on the 10 principal label of the container. If the added ingredient exceeds the amount of manure, it must be the first ingredient 11 12 listed on the principal label and the words, "manure," "cattle 13 manure," "sheep manure," and similar terms must be in type noticeably smaller than that used for the added ingredient. 14 If 15 the packaging of a product features the picture of a designated 16 animal, manure of that species of animal must comprise more than 17 50 percent of the material in the container.

Subp. 4. Labeling standards. The descriptive terms listed in items A to G may be used on a fertilizer label or labeling only if the fertilizer conforms to the following standards.

A. "Natural base fertilizer" is a mixed fertilizer in which more than one-half of the fertilizer material is natural and more than one-half of the sum of the guaranteed primary nutrient percentages is derived from natural fertilizers.

B. "Natural fertilizer" is a substance composed only
of natural organic or natural inorganic fertilizers and natural
fillers.

C. "Natural inorganic fertilizer" is a mineral fertilizer source that exists in or is produced by nature and may be altered from its original state only by physical manipulation.

D. "Natural organic fertilizer" is composed of fertilizer materials derived from either plant or animal products containing one or more elements, other than carbon, hydrogen, and oxygen that are essential for plant growth. These materials may be subjected to biological degradation processes

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under normal conditions of aging, rainfall, sun curing, air
 drying, composting, rotting, enzymatic or anaerobic/aerobic
 bacterial action, or combination of these. These materials may
 not be mixed with synthetic materials or changed in any physical
 or chemical manner from their initial state except by
 manipulations such as drying, cooking, chopping, grinding,
 shredding, hydrolysis, or pelleting.

8 E. "Organic base fertilizer" is a mixed fertilizer in 9 which more than one-half of the fertilizer material is organic 10 and more than one-half of the sum of the guaranteed primary 11 nutrient percentages is derived from organic fertilizers.

F. "Sphagnum peat moss" is a peat source from a sphagnum moss peat deposit (bog) of which an oven-dried sample would contain a minimum of 66-2/3 percent sphagnum moss fiber by sweight. The fibers must be stems and leaves of sphagnum that have recognizable fibrous and cellular structure.

17 G. "Stabilized nitrogen fertilizer" is a fertilizer18 to which a nitrogen stabilizer has been added.

19 Subp. 5. Environmentally beneficial. A claim that a 20 product is "environmentally beneficial" or a similar claim must 21 be accompanied by a statement of explanation of the rationale 22 for the claim and a list of all ingredients in order to allow 23 the consumer to determine the validity of the statement.

Subp. 6. Safety. Statements suggesting that a product is completely safe and nontoxic to humans, animals, or the environment are considered misbranding and must not appear on the label.

Subp. 7. Potting soils. If plant nutrients are mentioned in any form or manner on any label or labeling, they must be listed and guaranteed and the potting soil must be registered as a specialty fertilizer.

32 Subp. 8. Organic nitrogen. Only nitrogen derived from 33 natural organic or synthetic organic fertilizers with slow 34 release properties may be designated as organic.

35 A. If an amount of nitrogen is designated as organic, 36 the water insoluble nitrogen or controlled release nitrogen

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04/25/95 [REVISOR] CEL/MS AR2512 guarantee or any combination of the two must not be less than 60 1 percent of the nitrogen so designated. 2 3 Β. If a fertilizer product is designated as organic and no amount of nitrogen is specifically designated as organic, 4 5 all of the nitrogen guaranteed must be derived from organic fertilizer materials and the water insoluble nitrogen or 6 controlled release nitrogen guarantee or any combination of the 7 two must not be less than 60 percent of the total nitrogen 8 9 guarantee. 10 С. Coated urea may not be included in meeting the 60 percent controlled release nitrogen requirements. 11 12 If a fertilizer contains organic nitrogen derived D. from synthetic organic fertilizer materials and the term 13 14 "organic" is used on the label or labeling, the label must bear a statement that the product contains synthetic organic 15 16 nitrogen, followed by a list of the synthetic ingredients. For example: "This fertilizer contains synthetic organic nitrogen 17 18 derived from " The statement must be printed following 19 the derivative statement and be in type no smaller than that of the type of the derivative statement. 20 21 For example: 22 (1) Green Season Organic Fertilizer 10-1-1 23 Total Nitrogen (N) 10% 24 3.6% Water Soluble Nitrogen 6.4% Water Insoluble Nitrogen 25 26 Available Phosphate (P205) 27 1% Soluble Potash (K20) 28 1% Derived from: manure, blood meal, ureaform, and 29 30 bone meal 31 This fertilizer contains synthetic organic nitrogen derived 32 from ureaform. 33 (2) Organic Based Plant Food 15-2-4 34 15% 35 Total Nitrogen (N) 36 37 1.5% Urea Nitrogen 1.0% Other Water Soluble Nitrogen 38 6.5% Slowly Available Water Soluble Nitrogen* 39 40 6.0% Water Insoluble Nitrogen Available Phosphate (P205) 2% 41 42 Soluble Potash (K20) 4% Derived from: manure, bone meal, methylene urea, 43 and potassium chloride 44 Controlled release nitrogen from methylene urea 45

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This fertilizer contains synthetic organic nitrogen derived
 from methylene urea.

3 1510.0420 INVESTIGATIONAL ALLOWANCES.

Subpart 1. Primary plant nutrients. A commercial
fertilizer is deficient if the analysis of any plant nutrient is
below the guarantee by an amount exceeding the values in the
following schedule, or if the overall index value of the
fertilizer is below 97 percent.

9	Guaranteed	Nitrogen	Available Phosphate	Potash
10	percent	percent	percent	percent
11		والأراقية والتركي أيسران والمساعة		
12	04	0.49	0.67	0.41
13	05	0.51	0.67	0.43
14	06	0.52	0.67	0.47
15	07	0.54	0.68	0.53
16	08	0.55	0.68	0.60
17	09	0.57	0.68	0.65
18	10	0.58	0.69	0.70
19	12	0.61	0.69	0.79
20	14	0.63	0.70	0.87
21	16	0.67	0.70	0.94
22	18	0.70	0.71	1.01
23	20	0.73	0.72	1.08
24	22	0.75	0.72	1.15
25	24	0.78	0.73	1.21
26	26	0.81	0.73	1.27
27	28	0.83	0.74	1.33
28	30	0.86	0.75	1.39
29 30	32 or more	0.88	0.76	1.44

31 For guarantees not listed, calculate the appropriate value 32 by interpolation.

33 The overall index value is calculated by comparing the 34 commercial value guaranteed with the commercial value found. 35 For example, when using a 2:2:1 ratio, assuming that the 36 nitrogen and phosphorus are valued at twice the amount of potash: 10.0 units N x 10.0 units P₂O₅ x 10.0 units K₂O x 37 2 = 20.0 38 2 = 20.0 39 = 1 10.0 40 41 Commercial Value Guaranteed = 50.0 42 2 43 10.1 units N = 20.2 х 10.2 units P205 x 44 2 = 20.4 45 10.1 units K₂O 1 = 10.1 X 46 47 Commercial Value Found = 50.7 48 49 Overall Index Value = 100(50.7/50.0) = 101.4% 50 51 Subp. 2. Secondary and micro plant nutrients. Secondary and micro plant nutrients are deficient if any plant nutrient is 52

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below the guarantee by an amount exceeding the values in the

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1 following schedule:

2 3	Plant Nutrient	Allowable Deficiency
4	Calcium (Ca)	0.2 unit + 5% of guarantee
5	Magnesium (Mg)	0.2 unit + 5% of guarantee
6	Sulfur (S)	0.2 unit + 5% of guarantee
7	Boron (B)	0.003 unit + 15% of guarantee
8	Cobalt (Co)	0.0001 unit + 30% of guarantee
9	Molybdenum (Mo)	0.0001 unit + 30% of guarantee
10	Chlorine (Cl)	0.005 unit + 10% of guarantee
11	Copper (Cu)	0.005 unit + 10% of guarantee
12	Iron (Fe)	0.005 unit + 10% of guarantee
13	Manganese (Mn)	0.005 unit + 10% of guarantee
14	Sodium (Na)	0.005 unit + 10% of guarantee
15	Zinc (Zn)	0.005 unit + 10% of guarantee
16		

17 The maximum allowance when calculated under this subpart is 18 one unit (one percent).

Subp. 3. Analytical procedures. Sampling equipment, procedures, preparation, and analysis must be those adopted by the Association of Official Analytical Chemists. In cases not covered by those methods, or in cases where methods are available in which improved applicability has been demonstrated, the commissioner may adopt appropriate methods from other sources.

26 1510.0422 ENFORCEMENT.

The commissioner shall proceed in accordance with Minnesota Statutes, section 18B.305 <u>18D.305</u>, upon satisfactory evidence that a label or labeling of a fertilizer does not meet the provisions in parts 1510.0410 to 1510.0422.

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32 TERM CHANGE. In Minnesota Rules, part 1510.0432, subpart 2, 33 change 1510.0421 to 1510.0422 in both places.

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35 RENUMBERER. Minnesota Rules, part 1510.0420 renumbered as 36 1510.0421.

37 REPEALER. Minnesota Rules, parts 1510.0415; 1510.0416, subparts38 4, 5, 7, and 8; and 1510.0418, are repealed.